

TRINITRON® COLOR TV

OPERATING INSTRUCTIONS

Before operating the unit, please read this manual thoroughly and retain it for future reference.

OWNER'S RECORD

The model and serial numbers are located on the right side. Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. KV1926RA Serial No. _____



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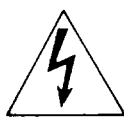
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WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



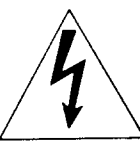
CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).

NO USER-SERVICEABLE PARTS INSIDE.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION
TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

PRECAUTIONS

Safety

- Operate the unit only on 120 V AC.
- One blade of the plug is wider than the other for the purpose of safety and will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not going to be used for several days or more. To disconnect the cord, pull it out by the plug. Never pull the cord itself.

Installation

- To prevent internal heat build-up, do not block the ventilation openings.
- Do not install the unit in a hot or humid place or in a place subject to excessive dust or mechanical vibration.

Cleaning

Clean the unit with a slightly damp soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzene as they might damage the finish of the cabinet.

Repacking

Retain the original carton and packing materials for safe transport of this unit in the future.

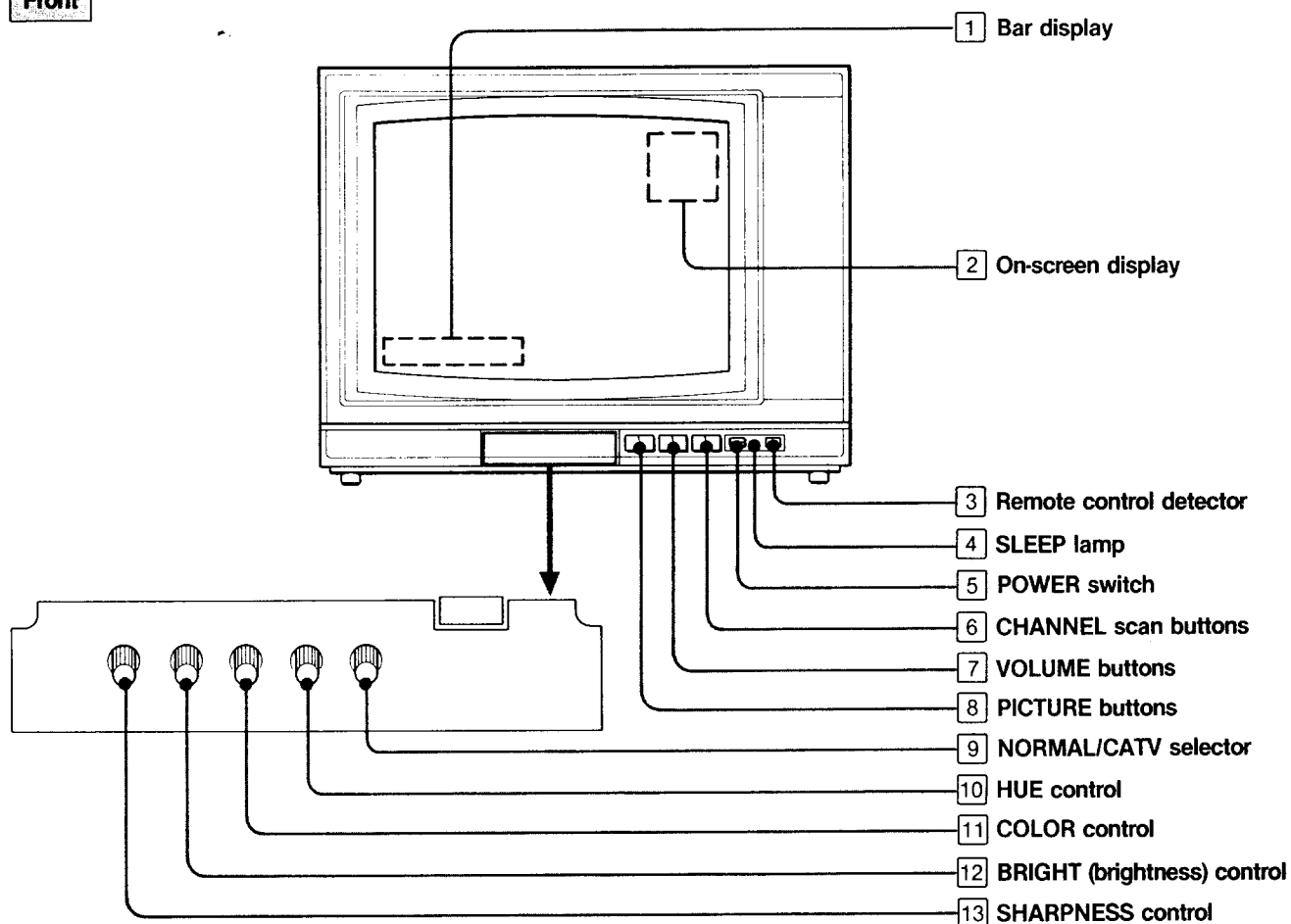
Use of this television receiver for other than private viewing of programs broadcast on UHF or VHF or transmitted by cable companies for the use of the general public may require authorization from the broadcaster/cable company and/or program owner.

FEATURES

- **New Black-tinted Trinitron** picture tube absorbs most ambient light and remarkably improves picture contrast.
- **New Sharp Focus Electron Gun** delivers clear and crisp images with remarkably improved sharpness all the way to the screen’s edges and corners.
- **Remote control Trinitron color television**
- **Multi-band VHF/UHF/CATV tuning**
- **Automatic programming** enables presetting of all receivable channels with a press of a button.
- **Sleep timer**, which automatically turns the unit off after one hour
- **On-screen display**
- **Jump button** enables to switch quickly between two channels.
- **DYNAMIC COLOR™ system** for superior color reproduction with natural facial color tones and dazzling whites
- **DYNAMIC PICTURE™ system**, which adjusts picture contrast automatically to produce more detail in both bright and dark areas of every scene
- **ECONOQUICK™**, energy-saving, quick-start picture system

FUNCTION OF CONTROLS

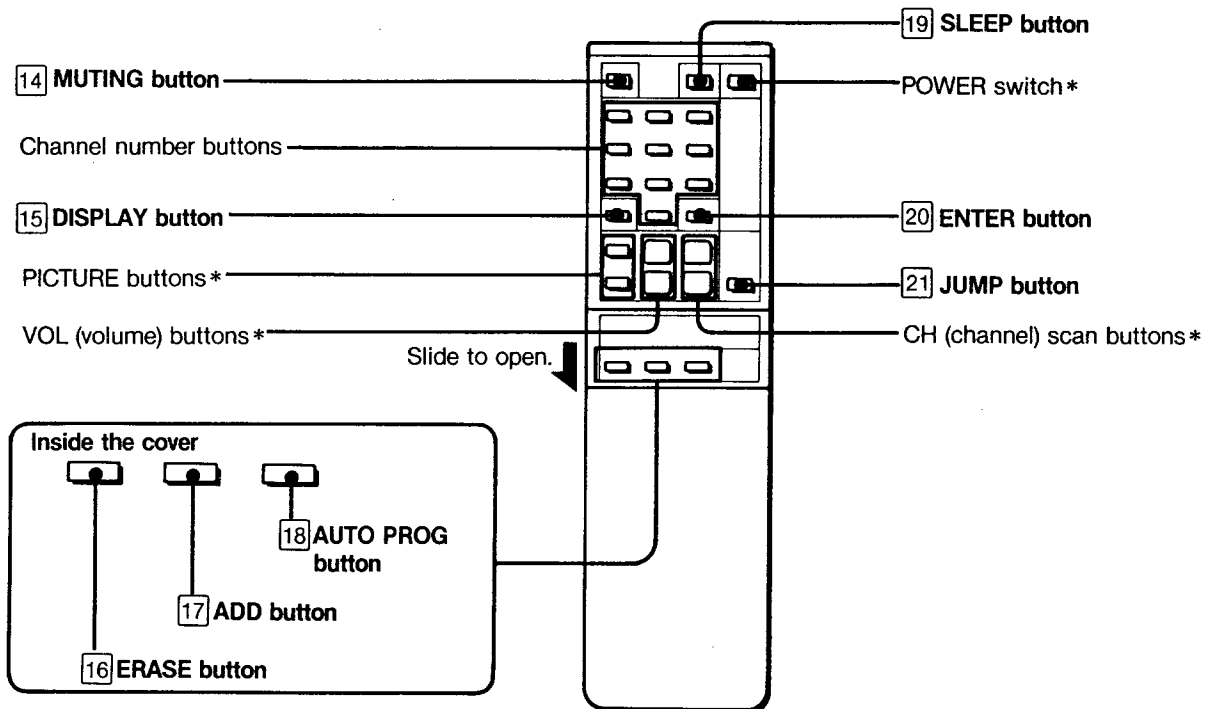
Front



- 1 Bar display**
Indicates level of volume and picture contrast.
- 2 On-screen display**
Shows channel numbers, "MUTING", and "SLEEP" indications.
- 3 Remote control detector**
Point the Remote Commander towards this detector.
- 4 SLEEP lamp**
Lights up when the SLEEP button on the Remote Commander is pressed.
- 5 POWER switch**
Depress the POWER switch to turn on the TV. To turn off the unit, press POWER again.
- 6 CHANNEL scan buttons**
Press CH "+" for higher-numbered channels and "-" for lower-numbered channels.
- 7 VOLUME buttons**
Press VOL "+" to increase volume, or "-" to decrease it.
- 8 PICTURE buttons**
Press PICTURE "+" to increase picture contrast, or "-" to decrease it.
- 9 NORMAL/CATV selector**
- 10 HUE control**
Turn clockwise to make the tones greenish or counterclockwise to make them purplish.
- 11 COLOR control**
Turn clockwise for more color intensity or counterclockwise for less.
- 12 BRIGHT (brightness) control**
Turn clockwise for more brightness or counterclockwise for less.
- 13 SHARPNESS control**
Turn clockwise for more sharpness or counterclockwise for less.

FUNCTION OF CONTROLS

Remote Commander RM-747



* The functions of these buttons are duplicated on the TV.

REMOTE COMMANDER

- 14 MUTING button**
Press to mute the sound immediately. Press it again to restore the sound.
- 15 DISPLAY button**
Press to keep the display on the screen.
- 16 ERASE button**
Press to erase channels.
- 17 ADD button**
Press to add channels.
- 18 AUTO PROG (automatic programming) button**
Press to start automatic programming.
- 19 SLEEP button**
Press to activate sleep timer.
- 20 ENTER button**
Press after pressing the numerals to select channels.
- 21 JUMP button**
Press to recall the channel which was displayed directly before the one being tuned in.

Battery installation

- 1 Slide the cover all the way so that the battery compartment appears, then take it off.
- 2 Place batteries in the Commander with correct polarity, as illustrated inside the case.
- 3 Replace the cover.

Notes

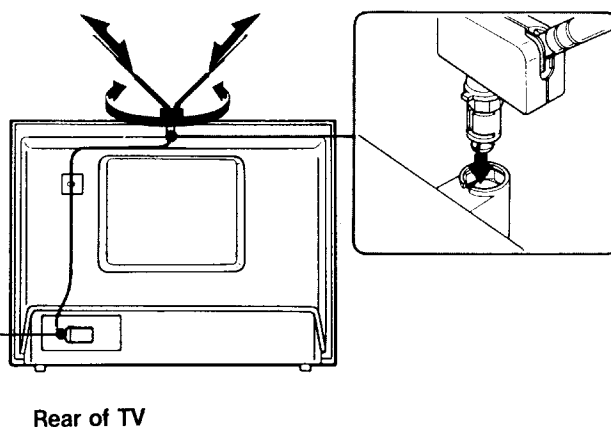
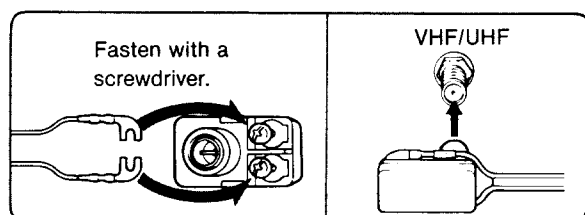
- Use 2 size AA batteries (IEC designation R6).
- In normal operation, batteries will last up to half a year. If the unit does not operate properly, the batteries might be exhausted. Replace all with new ones.
- To avoid damage from possible battery leakage, remove the batteries for extended unused periods.
- Be sure that there are no obstructions between the Commander and the TV.
- Operable range is limited. The shorter the distance between the Commander and the TV, the wider the angle within which the Commander can control the TV.

ANTENNA/CABLE CONNECTION

INDOOR ANTENNA ADJUSTMENT

For VHF/UHF reception, use the supplied telescopic dipole antenna. It will provide good reception in most areas.

Adjust the length, direction and angle of both elements symmetrically until the picture is clearest.



OUTDOOR ANTENNA CONNECTION

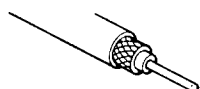
If you cannot obtain satisfactory reception with the dipole antenna, using an outdoor antenna may be necessary. Cable TV reception is only possible by connecting a cable supplied by your local cable operator.

- 1 Remove the indoor antenna from the antenna terminal of the TV.
- 2 Prepare the antenna or cable end using the appropriate connector, and connect the antenna or cable to the antenna terminal of the TV. (See [A] or [B] below.)

A Combination VHF/UHF antenna,* VHF antenna, UHF antenna or CATV cable

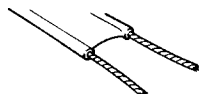
Select the proper connector according to the cable type.

When the cable is a 75-ohm coaxial type (round)

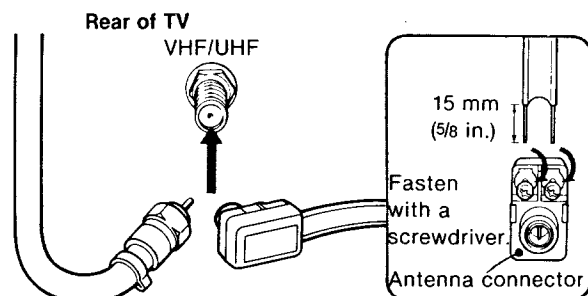


Use an optional F-type connector.

When the cable is a 300-ohm ribbon type lead-in (flat)



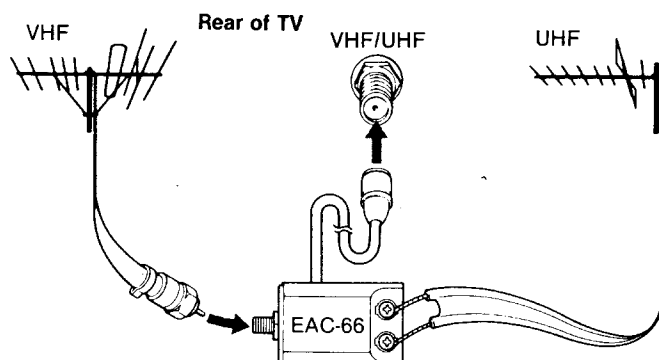
Attach the antenna connector which was fixed to the indoor antenna.



* Most combination antennas are equipped with a signal splitter. Take off the splitter and attach the proper connector.

B When both VHF and UHF antennas are connected

Prepare the VHF antenna end using the appropriate connector as illustrated in [A]. Attach an optional EAC-66 U/V mixer to the TV antenna terminal, and connect the cables to the U/V mixer.



Note

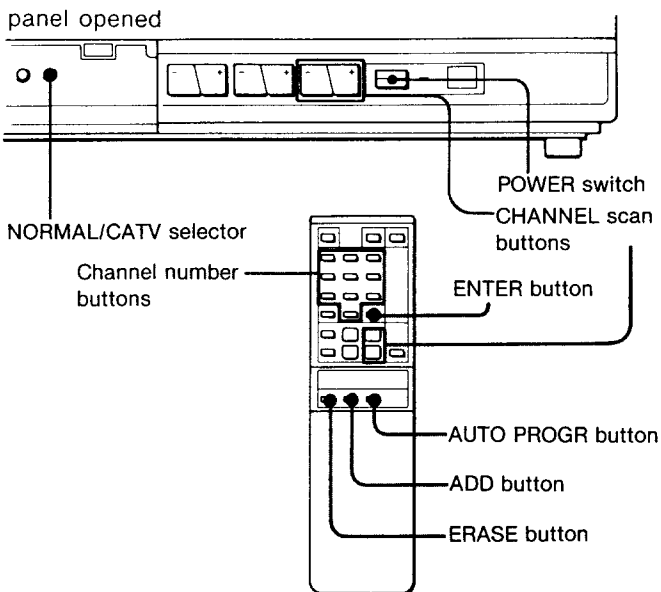
When the cable is connected to the TV with the U/V mixer, snow and noise may appear in the pictures of the cable TV channels over 37 (W + 1).

Note to CATV system installer in the U.S.A.

This reminder is provided to call the CATV system installer's attention to Article 820-22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

PRESETTING CHANNELS

Use the supplied Sony RM-747 Remote Commander.



Receivable channels of this unit are:
VHF: 2–13
UHF: 14–69
CATV: 1–125

PREPARATION

- 1 Turn on TV.
- 2 Set the NORMAL/CATV selector to the proper mode.
For VHF and UHF channels: NORMAL
For cable TV channels: CATV

AUTOMATIC PROGRAMMING

Automatic programming presets receivable channels automatically.

Press AUTO PROGR.
“AUTO PROGRAM” is displayed on the screen and receivable channels (other than the channels already preset) will be preset in numerical sequence. The channel previously preset remain in the unit’s memory. When no more channels can be found, the programming stops and the lowest numbered channel is displayed.

Note
Some channels may not be preset or some unnecessary channels may be preset because of the signal strength. To add the channels that cannot be preset with automatic programming, or to erase the unnecessary channels, follow the steps in “Manual programming”.

MANUAL PROGRAMMING

By adding and erasing channels, you can preset your TV so that only the desired channels appear in sequence when CHANNEL +/- is pressed.

Adding channels

- 1 Select the channel to be added by pressing the channel number buttons and then ENTER.
- 2 Press ADD on the Remote Commander.
A “+” indication will appear on the left of the channel display on the screen, indicating that the channel has been added:
Repeat steps 1 and 2 for other channels to be added.

Erasing channels

- 1 Select the channel to be erased.
- 2 Press ERASE on the Remote Commander.
A “-” indication will appear on the left of the channel display on the screen, indicating that the channel has been erased.
Repeat steps 1 and 2 for other channels to be erased.

Note
You cannot erase a VHF or UHF channel from the memory and retain the cable TV channel which has the same number, or vice versa. If either a VHF/UHF channel or a cable TV channel with the same number is to be kept in the memory, do not erase the number.

CABLE TV CHANNEL CHART**

Cable TV systems use letters or numbers to designate channels. To tune in a channel, refer to this chart.

Check with your local cable TV company for more complete information on the available channels.

Number on this TV						1	5	6	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Corresponding CATV channel						A-8	A-7	A-6	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
31	32	33	34	35	36	37	38	39	.....	93	94	95	96	97	98	99	100	101	102	.....	123	124	125		
R	S	T	U	V	W	W+1	W+2	W+3	.....	W+57	W+58	A-5	A-4	A-3	A-2	A-1	W+59	W+60	W+61	.....	W+82	W+83	W+84		

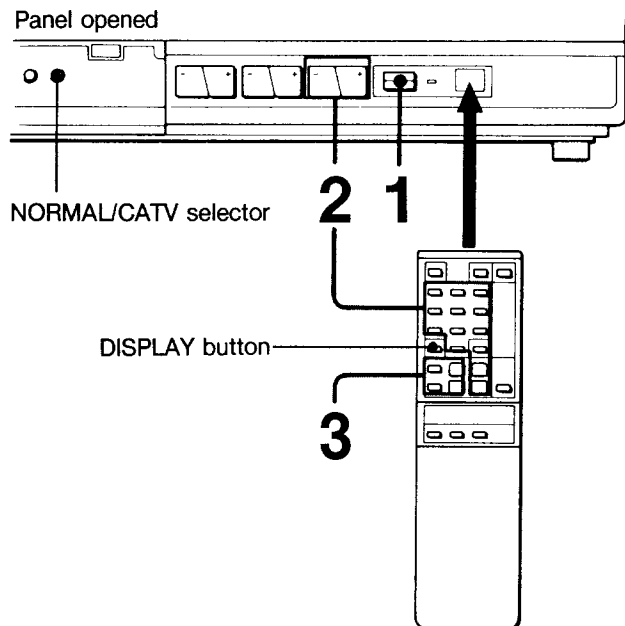
** The designation of the cable TV channels conforms to the EIA/NCTA recommendation.

Note
Pay cable TV systems use scrambled or encoded signals and require special converters (decoders) in addition to the normal cable connection.

OPERATION

Preparation

Set NORMAL/CATV selector to:
NORMAL for VHF and UHF programs.
CATV for cable TV programs.



1 Depress POWER to turn on the TV.

The channel number will be displayed on the screen and the SLEEP lamp will light up for several seconds.

2 Select channels in one of the following two ways.

- Press the numeral(s) of the channel and then press ENTER.

e.g. To select channel 6, press 6 and then ENTER.

To select channel 125, press 1, 2, 5 and then ENTER.

If you pressed a wrong numeral, wait for a few seconds and it will disappear. Then try again.

- Press CH “+” for higher-numbered channels and “-” for lower-numbered channels. Preset channels will appear in sequence. (For presetting desired channels, see “PRESETTING CHANNELS”.)

The channel display will remain on the screen for a few seconds. To keep the display on the screen, press DISPLAY.

3 Adjust volume and picture to your preference, if necessary.

Press VOL “+” to increase volume, or “-” to decrease it.
Press PICTURE “+” to increase picture contrast, or “-” to decrease it.

IF YOUR TV HAS MPX OUT JACK

Connect to the MPX OUT jack on the rear of the TV a special adaptor (not supplied) for multichannel TV sound (stereo or bilingual) broadcasts.

Caution

Before connecting the adaptor, make sure that the power to each piece of equipment is turned off.

SPECIFICATIONS

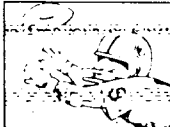

Television system	American TV standards
Channel coverage	VHF: 2–13 UHF: 14–69 Cable TV: 1–125
Picture tube	Trinitron tube 19-inch picture measured diagonally 20-inch picture tube measured diagonally
Power requirements	120 V AC, 60 Hz
Power consumption	120 W (max.), 78 W (average) 6 W (in standby condition)
Accessories supplied	Remote Commander RM-747 with 2 size AA batteries

Only for the model equipped with MPX OUT jack	MPX (multiplex) output
Output	phono jack, 77.5 m Vrms Load impedance 10 kilohms (main channel, 1kHz, 100% modulation)

Design and specifications subject to change without notice.

TROUBLESHOOTING

Disturbances in picture and sound can often be eliminated by checking the symptoms and following the suggestions listed below.

SYMPTOM	CHECK AND ADJUST
Poor or no picture (screen not lit), good sound	<ul style="list-style-type: none">Adjust PICTURE.Adjust BRIGHT.Re-orient antenna.Check antenna/cable connections.
Good picture, no sound	<ul style="list-style-type: none">Press VOLUME +.Release MUTING on the Remote Commander.
No picture (screen not lit), no sound	Is POWER switched on? Power in outlet?
No color	<ul style="list-style-type: none">Adjust COLOR.Is it a color program?
Snow and noise only	<ul style="list-style-type: none">Is it an active or the correct channel?Check the NORMAL/ CATV selector setting.Check antenna connections.
 Dotted lines or stripes	This is often caused by local interference (e.g. cars, neon signs, hair-dryers etc.). Adjust antenna for minimum interference.
 Double images or ghosts	Reflections from nearby mountains or buildings often cause this problem. A highly directional outdoor antenna or a CATV cable may improve the picture.
Try another channel. It could be station trouble.	

If the problem still cannot be solved, contact your nearest service facility.